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| Terms | Documents |
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| | |
|---------------|---|
| 6078914.uref. | 0 |
|---------------|---|

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Database:**Refine Search:****Search History****Today's Date: 8/8/2001****BEST AVAILABLE COPY**

| <u>DB Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|-------------------------------|--|------------------|-----------------|
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | 6078914.uref. | 0 | <u>L24</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | 6078914.pn. | 2 | <u>L23</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l21 and meta same information | 11 | <u>L22</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l18 and multiple adj party or third adj party same search adj engines | 35 | <u>L21</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l18 and multiple adj party or third adj party | 8461 | <u>L20</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l18 and multiple adj party or third same party | 9661 | <u>L19</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | search adj engines | 1707 | <u>L18</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | meta adj search adj engines | 9 | <u>L17</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l7 and l9 and meta same information | 0 | <u>L16</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l6 and l9 and meta same information | 0 | <u>L15</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l5 and l9 and meta same information | 0 | <u>L14</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l4 and l9 and meta same information | 0 | <u>L13</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l1 and l9 and meta same information | 3 | <u>L12</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l2 and l9 and meta same information | 1 | <u>L11</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l9 and meta same information | 3 | <u>L10</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l8 and multiple same party | 26 | <u>L9</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l3 and search same engines | 824 | <u>L8</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((348/\$)!.CCLS.)) | 39811 | <u>L7</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((345/\$)!.CCLS.)) | 43328 | <u>L6</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((705/\$)!.CCLS.)) | 8699 | <u>L5</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((709/\$)!.CCLS.)) | 11498 | <u>L4</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((707/\$)!.CCLS.)) | 11213 | <u>L3</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((707/5)!.CCLS.)) | 616 | <u>L2</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((707/3)!.CCLS.) | 1311 | <u>L1</u> |

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l8 and multiple same party

26

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Database: IBM Technical Disclosure Bulletins

18 and multiple same party

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|-------------------------------|----------------------------|------------------|-----------------|
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l8 and multiple same party | 26 | <u>L9</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | l3 and search same engines | 824 | <u>L8</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((348/\$)!.CCLS.)) | 39811 | <u>L7</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((345/\$)!.CCLS.)) | 43328 | <u>L6</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((705/\$)!.CCLS.)) | 8699 | <u>L5</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((709/\$)!.CCLS.)) | 11498 | <u>L4</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((707/\$)!.CCLS.)) | 11213 | <u>L3</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((707/5)!.CCLS.)) | 616 | <u>L2</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | ((707/3)!.CCLS.) | 1311 | <u>L1</u> |

WEST **Generate Collection**

L21: Entry 1 of 35

File: USPT

Jun 26, 2001

US-PAT-NO: 6253208
DOCUMENT-IDENTIFIER: US 6253208 B1

TITLE: Information access

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Wittgreffe; John P. | Ipswich | N/A | N/A | GBX |
| Zaiour; Habib | London | N/A | N/A | GBX |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE | CODE |
|---|--------|-------|----------|---------|------|------|
| British Telecommunications public limited company | London | N/A | N/A | GBX | 03 | |

APPL-NO: 9/ 052002

DATE FILED: March 31, 1998

INT-CL: [7] G06F 17/30

US-CL-ISSUED: 707/104, 707/10, 707/100, 707/103, 707/104, 707/501, 707/513, 705/14, 705/20,

705/26, 709/203, 709/217, 709/219, 380/24, 380/25

US-CL-CURRENT: 705/14, 705/20, 705/26, 707/10, 707/100, 707/513, 709/203, 709/217,709/219

FIELD-OF-SEARCH: 707/3, 707/4, 707/5, 707/10, 707/100, 707/103, 707/104, 707/501, 707/513, 707/524, 705/14, 705/20, 705/23, 705/26, 705/27, 709/203, 709/217, 709/219, 382/224, 380/24-25

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Record Display Form

| PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|---------------|----------------------|------------|
| <input type="checkbox"/> <u>5625711</u> | April 1997 | Nicholson et al. | 382/224 |
| <input type="checkbox"/> <u>5764906</u> | June 1998 | Edelstein et al. | 709/203 |
| <input type="checkbox"/> <u>5778368</u> | July 1998 | Hogan et al. | 707/10 |
| <input type="checkbox"/> <u>5850446</u> | December 1998 | Berger et al. | 380/24 |
| <input type="checkbox"/> <u>5859972</u> | January 1999 | Subramaniam et al. | 395/200.33 |
| <input type="checkbox"/> <u>5889863</u> | March 1999 | Weber | 380/25 |
| <input type="checkbox"/> <u>5897622</u> | April 1999 | Blinn et al. | 705/26 |
| <input type="checkbox"/> <u>5913210</u> | June 1999 | Call | 707/4 |
| <input type="checkbox"/> <u>5933822</u> | August 1999 | Braden-Harder et al. | 707/5 |
| <input type="checkbox"/> <u>5941944</u> | August 1999 | Messerly | 709/203 |
| <input type="checkbox"/> <u>5996076</u> | November 1999 | Rowney et al. | 713/201 |
| <input type="checkbox"/> <u>6009442</u> | December 1999 | Chen et al. | 707/522 |
| <input type="checkbox"/> <u>6178409</u> | January 2001 | Weber et al. | 705/79 |

OTHER PUBLICATIONS

Bara. M. et al., "Symmetric adaptive customer, modeling in an electronic store", Third IEEE Symposium on Computers and Communications, 1998. ISCC '98 Proceedings., Jun. 3-Jul. 2, 1998, pp. 348-352.*

Douglis, Fred et al., "WebGuide: Querying and Navigating changes in Web Repositories", Fifth International World Wide Web Conference, May 6-10, 1996, paris, France.*

Srinivasan, Raghav et al., "Maintaining Temporal Coherency of Virtual Data Warehouses", The 19th IEEE Real-Time Systems Symposium, 1998 Proceedings, Dec. 2-4, 1998, pp. 60-70.

ART-UNIT: 212

PRIMARY-EXAMINER: Alam; Hosain T.

ASSISTANT-EXAMINER: Alam; Shahid

ATTY-AGENT-FIRM: Nixon & Vanderhye P.C.

ABSTRACT:

An information access system is provided to create and maintain a rapidly accessible index to information extracted from information sources accessible over the Internet. The information access system may be tailored to extract, analyse and index information obtained via the public query interfaces to a number of predetermined information databases. Information may be extracted from the information databases by submitting appropriate query requests to their query interfaces and analysing data returned in response. Query requests may be stored and maintained by the information access system in query files. Query responses may be analysed by one or more query result analysis modules, each module being tailored to convert information supplied by a particular site into a common format for storage in an index. New information may be identified and reported to users. The information access system may be applied, in particular to commercial property trading.

20 Claims, 3 Drawing figures

WEST **Generate Collection**

L21: Entry 3 of 35

File: USPT

Jun 5, 2001

US-PAT-NO: 6243750

DOCUMENT-IDENTIFIER: US 6243750 B1

TITLE: Method and system for measuring Web site access requests

DATE-ISSUED: June 5, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|----------|-------|----------|---------|
| Verma; Dinesh Chandra | Millwood | NY | N/A | N/A |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE | CODE |
|---|--------|-------|----------|---------|------|------|
| International Business Machines Corporation | Armonk | NY | N/A | N/A | 02 | |

APPL-NO: 9/ 048773

DATE FILED: March 26, 1998

INT-CL: [7] G06F 13/00

US-CL-ISSUED: 709/224; 709/203

US-CL-CURRENT: 709/224; 709/203

FIELD-OF-SEARCH: 709/217, 709/203, 709/219, 709/234, 709/229, 709/226, 709/218, 709/224, 707/5, 707/10, 707/7, 395/427, 705/14, 340/825.44, 345/333, 342/44, 711/209, 235/375

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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| PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|----------------|----------------------|------------|
| <input type="checkbox"/> <u>4752675</u> | June 1988 | Zetmeir | 235/375 |
| <input type="checkbox"/> <u>5446862</u> | August 1995 | Ohkami | 395/427 |
| <input type="checkbox"/> <u>5649142</u> | July 1997 | Lavelle et al. | 711/209 |
| <input type="checkbox"/> <u>5793972</u> | August 1998 | Shane | 709/219 |
| <input type="checkbox"/> <u>5812776</u> | September 1998 | Gifford | 709/217 |
| <input type="checkbox"/> <u>5870550</u> | February 1999 | Wesinger, Jr. et al. | 709/218 |
| <input type="checkbox"/> <u>5884038</u> | March 1999 | Kapoor | 709/226 |
| <input type="checkbox"/> <u>5898833</u> | April 1999 | Kidder | 709/234 |
| <input type="checkbox"/> <u>5929801</u> | July 1999 | Aslanidis et al. | 342/44 |
| <input type="checkbox"/> <u>5933811</u> | August 1999 | Angles et al. | 705/14 |
| <input type="checkbox"/> <u>5933827</u> | August 1999 | Cole et al. | 707/10 |
| <input type="checkbox"/> <u>5935207</u> | August 1999 | Logue et al. | 709/219 |
| <input type="checkbox"/> <u>5943670</u> | August 1999 | Prager | 707/5 |
| <input type="checkbox"/> <u>5948061</u> | September 1999 | Merriman et al. | 709/219 |
| <input type="checkbox"/> <u>5959623</u> | September 1999 | Van Hoff et al. | 345/333 |
| <input type="checkbox"/> <u>5960409</u> | September 1999 | Wexler | 705/14 |
| <input type="checkbox"/> <u>5961603</u> | October 1999 | Kunkel et al. | 709/229 |
| <input type="checkbox"/> <u>5995965</u> | November 1999 | Experton | 707/10 |
| <input type="checkbox"/> <u>5999912</u> | December 1999 | Wodarz et al. | 705/14 |
| <input type="checkbox"/> <u>5999929</u> | December 1999 | Goodman | 707/7 |
| <input type="checkbox"/> <u>6009410</u> | December 1999 | LeMole et al. | 705/14 |
| <input type="checkbox"/> <u>6016107</u> | January 2000 | Kampe et al. | 340/825.44 |

ART-UNIT: 212

PRIMARY-EXAMINER: Harrell; Robert B.

ASSISTANT-EXAMINER: Vu; Thong

ATTY-AGENT-FIRM: Fleit, Kain, Gibbons, Gutman & Bongini P.L. Gibbons; Jon A. August;
Casey P.

ABSTRACT:

A method and apparatus for determining a referring entity for an access request for a node in a network comprises a plurality of nodes, wherein each node is identified by a unique address and each node comprises the capability for including sub-addresses. The method comprises the steps of: receiving a request for an address in the network, the request including a request for a sub-address within the node identified by the address; removing the sub-address from the request; comparing the sub-address received with a list of sub-addresses, each corresponding to a referring entity; and determining the referring entity corresponding to the request for an address based on the comparison.

27 Claims, 8 Drawing figures

WEST

L21: Entry 10 of 35

File: USPT

Dec 19, 2000

US-PAT-NO: 6163778
 DOCUMENT-IDENTIFIER: US 6163778 A

TITLE: Probabilistic web link viability marker and web page ratings

DATE-ISSUED: December 19, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Fogg; BJ | Stanford | CA | N/A | N/A |
| Nielsen; Jakob | Atherton | CA | N/A | N/A |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|------------------------|-----------|-------|----------|---------|-----------|
| Sun Microsystems, Inc. | Palo Alto | CA | N/A | N/A | 02 |

APPL-NO: 9/ 019797

DATE FILED: February 6, 1998

INT-CL: [7] G06F 17/30

US-CL-ISSUED: 707/10; 707/3

US-CL-CURRENT: 707/10; 707/3

FIELD-OF-SEARCH: 707/3, 707/4, 707/10, 707/500, 707/513, 707/514, 709/224

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| | | Search Selected | Search ALL | |
|---|---------------|------------------|------------|------------|
| PAT-NO | ISSUE-DATE | PATENTEE-NAME | | US-CL |
| <input type="checkbox"/> <u>5530856</u> | June 1996 | Dahod et al. | | 395/600 |
| <input type="checkbox"/> <u>5835905</u> | November 1998 | Pirolli et al. | | 707/3 |
| <input type="checkbox"/> <u>5870557</u> | February 1999 | Bellovin et al. | | 395/200.54 |
| <input type="checkbox"/> <u>5870559</u> | February 1999 | Leshem et al. | | 709/224 |
| <input type="checkbox"/> <u>5937165</u> | August 1999 | Schwaller et al. | | 709/224 |
| <input type="checkbox"/> <u>5968125</u> | October 1999 | Garrick et al. | | 709/224 |

OTHER PUBLICATIONS

David C Blight, "Annotated Reference List Agents," 1997 Conference on Communications, Power and Computing, WESCANEX '97 Proceedings, May 1997, pp. 7-12.

Neil Bowers, "Webtint=Quality Assurance for the World-Wide Web," May 1996, 11 pages at .

Rick Hower, "Beyond Broken Links," Internet-Systems, Jul. 1997, 6 pages at .

"Web Site Garage," Tuneup FAQ, 6 pages, date unknown, at , date unknown.

James E Pitton et al., "Supporting the Web=A Distributed Hyperlink Database System," 5th International World Wide Web Conference, May 1996. May 6-10, 1996, pp. 1-15, at .

ART-UNIT: 277

PRIMARY-EXAMINER: Kulik; Paul V.

ATTY-AGENT-FIRM: McDermott, Will & Emery

ABSTRACT:

Hypertext information links are typically contained in documents accessible by networks. Data is gathered regarding the results of attempted access to documents identified by these links. The link's viability is calculated based on the number of successful attempts resulting in successful access in order to provide a measure of link viability. The display of the document is altered based on the measure of link viability. An average of link viability for all links on the document, and on the site, is used to calculate document viability and site viability which can be used to rate the document and site, respectively. These viability measures are displayed along with the corresponding link, document, and site. Display of results retrieved by conventional search engines may be sorted based on link, document or site viability, and displayed accordingly. Links contained in bookmark lists are also measured for viability to cull out bookmarks with low link viability to, or low document viability of, the bookmarked document. Viability calculations may be made by a user computer device, an Internet Service Provider, a third party service, and/or a server on which a document resides.

39 Claims, 18 Drawing figures

WEST **Generate Collection**

L21: Entry 18 of 35

File: USPT

Jan 4, 2000

US-PAT-NO: 6012053
DOCUMENT-IDENTIFIER: US 6012053 A

TITLE: Computer system with user-controlled relevance ranking of search results

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Pant; Sangam | Winchester | MA | N/A | N/A |
| Andre; David L. | Belmont | MA | N/A | N/A |
| Watson; Gray | Pittsburgh | PA | N/A | N/A |
| Green; Richard M. | Pittsburgh | PA | N/A | N/A |
| Schiegg; Michael J. | McKeesport | PA | N/A | N/A |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|-------------|---------|-------|----------|---------|-----------|
| Lycos, Inc. | Waltham | MA | N/A | N/A | 02 |

APPL-NO: 8/ 880923

DATE FILED: June 23, 1997

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 707/3; 707/4, 707/5, 707/6, 364/133, 364/222, 345/333, 345/968

US-CL-CURRENT: 707/3; 345/866, 345/968, 700/4, 707/4, 707/5, 707/6

FIELD-OF-SEARCH: 707/3, 707/4, 707/5, 707/6, 707/7, 707/102, 707/103, 707/104, 707/203, 364/920, 364/6, 364/222, 364/133, 340/146, 395/185, 455/4, 455/2, 348/2, 348/7, 348/10, 348/12, 345/333, 345/968, 345/978, 345/335, 382/167

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U.S. PATENT DOCUMENTS

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| <input type="checkbox"/> <u>5321833</u> | June 1994 | Cheng et al | 395/600 |
| <input type="checkbox"/> <u>5500920</u> | March 1996 | Kupiec | 707/4 |
| <input type="checkbox"/> <u>5544049</u> | August 1996 | Henderson et al. | 707/4 |
| <input type="checkbox"/> <u>5577241</u> | November 1996 | Spencer | 707/5 |
| <input type="checkbox"/> <u>5644686</u> | July 1997 | Hekmatpour | 706/45 |
| <input type="checkbox"/> <u>5675819</u> | October 1997 | Schuetze | 707/3 |
| <input type="checkbox"/> <u>5696962</u> | December 1997 | Kupiec | 707/3 |
| <input type="checkbox"/> <u>5754938</u> | May 1998 | Herz et al. | 707/3 |
| <input type="checkbox"/> <u>5819004</u> | October 1998 | Azadegan et al. | 386/112 |
| <input type="checkbox"/> <u>5832496</u> | November 1998 | Anand et al. | 707/102 |
| <input type="checkbox"/> <u>5890152</u> | March 1999 | Rapaport et al. | 707/6 |
| <input type="checkbox"/> <u>5899999</u> | May 1999 | De Bonet | 707/104 |

ART-UNIT: 271

PRIMARY-EXAMINER: Lintz; Paul R.

ASSISTANT-EXAMINER: Havan; Thu-Thao

ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks, P.C.

ABSTRACT:

A computer system for performing searches on a collection of information includes a mechanism through which results from a search query are ranked according to user specified relevance factors to allow the user to control how the search results are presented. The relevance factors are applied to the results achieved for each query. That is, each item returned by the search has a set of attributes. Each of these attributes is assigned a weight according to the specified relevance factors. These weights are combined to provide a score for the item. Search results are provided to the user, ordered according to scores. The application of the relevance factors does not alter the query performed on the collection of information.

12 Claims, 9 Drawing figures

[Generate Collection](#)

L21: Entry 11 of 35

File: USPT

Nov 21, 2000

US-PAT-NO: 6151624
DOCUMENT-IDENTIFIER: US 6151624 A

TITLE: Navigating network resources based on metadata

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|---------------|-------|----------|---------|
| Teare; Keith | Palo Alto | CA | N/A | N/A |
| Popp; Nicolas | Menlo Park | CA | N/A | N/A |
| Ong; Bruce | San Francisco | CA | N/A | N/A |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|-----------------------|-----------|-------|----------|---------|-----------|
| RealNames Corporation | Palo Alto | CA | N/A | N/A | 02 |

APPL-NO: 9/ 017817
DATE FILED: February 3, 1998

INT-CL: [7] G06F 13/14

US-CL-ISSUED: 709/217; 707/5, 707/522

US-CL-CURRENT: 709/217; 707/5, 707/522

FIELD-OF-SEARCH: 707/502, 707/1, 707/3, 707/4, 707/5, 707/104, 709/217, 709/218, 709/202, 709/203, 709/219

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Record Display Form

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| PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|---|---------------|--------------------|------------|
| <input type="checkbox"/> <u>4677588</u> | June 1987 | Benjamin et al. | 364/900 |
| <input type="checkbox"/> <u>4718005</u> | January 1988 | Feigenbaum et al. | 364/200 |
| <input type="checkbox"/> <u>4914571</u> | April 1990 | Baratz et al. | 364/200 |
| <input type="checkbox"/> <u>5282244</u> | January 1994 | Fuller et al. | 379/230 |
| <input type="checkbox"/> <u>5388213</u> | February 1995 | Oppenheimer et al. | 395/200 |
| <input type="checkbox"/> <u>5410691</u> | April 1995 | Taylor | 395/600 |
| <input type="checkbox"/> <u>5412714</u> | May 1995 | Bogart et al. | 379/221 |
| <input type="checkbox"/> <u>5434974</u> | July 1995 | Loucks et al. | 395/200 |
| <input type="checkbox"/> <u>5475819</u> | December 1995 | Miller et al. | 395/200.03 |
| <input type="checkbox"/> <u>5548722</u> | August 1996 | Jalalian et al. | 395/200.1 |
| <input type="checkbox"/> <u>5586257</u> | December 1996 | Perlman | 463/42 |
| <input type="checkbox"/> <u>5727129</u> | March 1998 | Barrett et al. | 395/12 |
| <input type="checkbox"/> <u>5729682</u> | March 1998 | Marquis et al. | 395/200.12 |
| <input type="checkbox"/> <u>5740422</u> | April 1998 | Foltz et al. | 395/609 |
| <input type="checkbox"/> <u>5751961</u> | May 1998 | Smyk | 395/200.47 |
| <input type="checkbox"/> <u>5764906</u> | June 1998 | Edelstein et al. | 395/200.49 |

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE | COUNTRY | US-CL |
|----------------|----------------|---------|-------|
| WO97/19564 | May 1997 | WOX | |
| WO97/32251 | September 1997 | WOX | |

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- Qu, et al., "A Practical Method for Achieving Portable Communications in the Internet Context," 1995 IEEE publication, pp. 1512-1516.
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ART-UNIT: 277

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ATTY-AGENT-FIRM: Hickman Palermo Troung & Becker LLP Palermo; Christopher J.

ABSTRACT:

Mechanisms for associating metadata with network resources, and for locating the network resources in a language-independent manner, are disclosed. Owners of network resources define metadata that describes each network resource. The metadata may include a natural language name of the network resource, its location, its language, its region or intended audience, and other descriptive information. The owners register the metadata in a registry. A copy of the metadata is stored on a server associated with a group of the network resources. A copy of the metadata is stored in a registry that is indexed at a central location. A crawler service periodically updates the registry by polling the information on each server associated with registered metadata. To locate a selected network resource, a client provides the name of the network resource to a resolver process. The resolver process provides to the client the network resource location corresponding to the network resource name. Multiple metadata mappings can be established for the same network resource, in which each mapping stores a name expressed in a different natural language. Accordingly, network resources can be located merely by providing the name of the network resource in any natural language that is convenient for the client.

WEST

L21: Entry 21 of 35

File: USPT

Nov 16, 1999

US-PAT-NO: 5987446
 DOCUMENT-IDENTIFIER: US 5987446 A

TITLE: Searching large collections of text using multiple search engines concurrently

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

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APPL-NO: 8/ 747298

DATE FILED: November 12, 1996

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 707/3; 707/5

US-CL-CURRENT: 707/3; 707/5

FIELD-OF-SEARCH: 707/4, 707/5, 707/1, 707/3

PRIOR-ART-DISCLOSED:

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| <input type="checkbox"/> <u>5301109</u> | April 1994 | Landauer | | 364/419.19 |
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| <input type="checkbox"/> <u>5642502</u> | June 1997 | Driscoll | | 707/5 |

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ART-UNIT: 277

PRIMARY-EXAMINER: Choules; Jack M.

ABSTRACT:

An information retrieval system is disclosed, wherein the system includes a plurality of text search engines based on substantially different computational searching techniques. By activating each search engine with input from a user information request, the output from each of the search engines is combined into a single list of information items. A ranking process ranks the information items in the combined list by utilizing information item ordering data also received from each of the search engines as to the relevance of the information items output by the search engine to the user's request. Thus, by providing higher rankings to those information items determined to be most relevant to the user's request by each of (or a majority of) the search engines, these information items have been found to be highly consistent in satisfying the user's request for information.

29 Claims, 11 Drawing figures

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